Bereskin & Parr

INTELLECTUAL PROPERTY LAW

December 12, 2005



Scott R. Pundsack B.A.Sc. (Civil Eng.), LL.B. 416 957 1698 spundsack@bereskinparr.com

Our Reference: 4320-443

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Re:

Patent Application No. 09/975,220

For: VERTICAL SKEIN OF HOLLOW FIBER MEMBRANES AND METHOD OF MAINTAINING CLEAN FIBER SURFACES WHILE FILTERING A SUBSTRATE TO

WITHDRAW A PERMEATE Filing Date: October 11, 2001 Applicant: MAHENDRAN et al.

In accordance with 37 C.F.R. 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 C.F.R. 1.56, the applicant hereby submits a Supplemental Information Disclosure Statement including (1) a listing, on PTO Form SB/08A, of all patents and other publications of which the applicant is aware that may be considered material to the patentability of its claimed invention, and, (2) a copy of each listed foreign patent or publication.

Respectfully submitted,

MAHENDRAN et al.

Scott Pundsack Reg'n No. 47,330

Encl.

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE of the Paperwood Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known				
Application Number	09/975,220			
Filing Date	Oct 11, 2001			
First Named Inventor	MAHENDRAN			
Art Unit	1723			
Examiner Name	KIM, Sun U.			
Attorney Docket Number	4320-443			

	U.S. PATENT DOCUMENTS				
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	Anistota Alla I	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
		US- 4,668,401	05-26-1987	Okumura et al.	
		US- 3,853,756	12-10-1974	Stana	
		US- 5,035,799	07-30-1991	Rosberg et al.	
		US- 3,992,301	11-16-1976	Shippey et al.	
		US- 3,794,169	02-26-1974	Sisk et al.	
		US- 4,414,113	11-08-1983	LaTerra	

		FOREIGN PA	TENT DOCU	MENTS	•	
Examiner Cite No.1	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant	
	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Date Applicant of Cited		Passages or Relevant Figures Appear	T ⁶	
		JP 05-154362	06-22-1993	Ebara Infilco Co. Ltd.		✓
		English language abstract of JP05-154362				
		JP06-023245	02-01-1994	Ebara Infilco Co. Ltd.		/
		English language abstract of JP06-023245				
		JP08-206472	08-13-1996	Sumitomo Heavy Ind. Ltd		Machine & Human Transtation of paragraphs 17-22
		English language abstract of JP08-206472				
	,	JP09-290261	11-11-1997	Nitto Denko Corp.		Machine
		English language abstract of JP09-290261			·	
		JP08-131785	05-28-1996	Kubota Corp.		Partial Machine
		English language abstract of JP08-131785				

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE work Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Application Number 09/975,220 INFORMATION DISCLOSURE Filing Date Oct 11, 2001 STATEMENT BY APPLICANT First Named Inventor **MAHENDRAN** Art Unit 1723 (Use as many sheets as necessary) Examiner Name KIM, Sun U. Sheet of Attorney Docket Number 4320-443

DEC 1 8 2005

		FOREIGN PA	TENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
		JP07-047245	02-21-1995	Kurita Water Ind. Ltd		1
		JP06-218237	08-09-1994	Kubota Corp.		Machine
		English language abstract of JP06-218237				
		English language abstract of JP09-308882	12-02-1997	Kubota Corp.		
		English language abstract of JP09-248432	09-22-1997	Kubota Corp.		
		English language abstract of JP07-132213	05-23-1995	Ebara Corp.		
		JP10-277599	10-20-1998	Mitsubishi Rayon Co. Ltd. et al.		Partial Machine
		English language abstract of JP10-277599				
		EP0427376	05-15-1991	Romicon Inc.		
		JP08-257372	10-08-1996	Mitsubishi Rayon Eng Co. Ltd. et al.		Machine
		English language abstract of JP08-257372				<u> </u>
		GB 2120952A	12-14-1983	JGC Corporation		<u> </u>
		English language abstract of JP07-227526	08-29-1995	Nitto Denko Corp.		
		English language abstract of JP61-197005	09-01-1986	Ebara Corp.		<u> </u>
		English language abstract of JP61-293504				<u> </u>
		JP 61-167407	07-29-1986	Sumitomo Bakelite Co Ltd		
		WO 97/45193	12-04-1997	Cote et al.	<u> </u>	
		English language abstract of JP02095422	04-06-1990	Ankua Runesansu Gijutsu Kenkyu Kumiai		
		JP02095422	04-06-1990	Ankua Runesansu Gijutsu Kenkyu Kumiai		
		JP08-252438	10-01-1996	Maezawa Ind Inc.		Partial Mach
		English language abstract of JP08-252438				
		English language abstract of JP01-293103	11-27-1989	Kurita Water Ind Ltd.		
		English language abstract of JP04-126528	04-27-1992	Ebara Infilco Co. Ltd.		
		English language abstract of JP07-116482	05-09-1995	Kurita Water Ind. Ltd		
		English language abstract of JP06-277664	10-04-1994	Daicel Chem Ind Ltd		
		English language abstract of JP05-184884	07-27-1993	Mitsubishi Rayon Co. Ltd.		

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

other trade mark of the control number.

Struction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/975,220

Filing Date Oct 11, 2001

First Named Inventor MAHENDRAN

Art Unit 1723

Examiner Name KIM, Sun U.

4320-443

(Use as many sheets as necessary)

Substitute for local

Sheet 3 of 4 Attorney Docket Number

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	™
		English language abstract of JP04-131182	05-01-1992	Ebara Infilco Co. Ltd et al.		
		English language abstract of JP09-138298	05-27-1997	Hitachi Ltd et al.		
· · · · · · · · · · · · · · · · · · ·		English language abstract of JP03-000114	01-07-1991	Akua Runesansu Gijutsu		
		DE 19502516	01-30-1997	Mehlitz		Machine
		English language abstract of WO90/11120	10-04-1990	Int Applied Sciences Inc.		
		JP08-281082	10-29-1996	Kubota Corp		Partial Machine
		English language abstract of JP08-281082				
		English language abstract of JP61-157306	07-17-1986	Ebara Corp.		
		JP09-220569	08-26-1997	Kubota Corp		Machine
		English language abstract of JP09-220569				
		JP05-154476	06-22-1993	Ebara Infilco Co. Ltd		Machine Human Transtatio of paragrap s
		English language abstract of JP05-154476				
		JP 07-178320	07-18-1995	Mitsubishi Rayon Co. et al.		Machine
		English language abstract of JP07-178320	07-18-1995	Mitsubishi Rayon Co. et al.		
·		English language abstract of JP06-238273	08-30-1994	Mitsubishi Rayon Eng Co Ltd		ļ
		English language abstract of JP06-218242	08-09-1994	Nitto Denko Corp		
		English language abstract of JP06-218246	08-09-1994	Toto Ltd.		
	<u> </u>					
	1	<u> </u>	<u> </u>	<u> </u>		

Examiner Signature	Date Considered	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. (In the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b(08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE eduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

4

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/975,220 Filing Date Oct 11, 2001 First Named Inventor **MAHENDRAN** Art Unit 1723 Examiner Name KIM, Sun U. Attorney Docket Number 4320-443

Complete if Known

(Use as many sheets as necessary)

of

NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T ² Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue No.1 number(s), publisher, city and/or country where published. Initials * English language machine translation of Japanese Publication No. 06-343837

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.